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*THE MUSEUM OF ANTHROPOLOGY OF THE
UNIVERSITY OF CALIFORNIA*

THE Hearst collections in archeology and ethnology of the University of California, were opened for public exhibition on October 4, 1911, in its temporary quarters at the Affiliated Colleges in San Francisco, with a reception tendered by Mrs. Phoebe A. Hearst and the regents of the university to 400 guests.

Mrs. Hearst organized expeditions in California and in Peru, Italy and Egypt in 1899 and 1900, though more or less systematic collecting had been supported by her for some years previous. In 1901 a department of anthropology was organized, of which F. W. Putnam was director from 1903 to 1909. In 1903, owing to lack of suitable building on the campus at Berkeley, the bulk of the collections was removed to the vacant western building at the affiliated colleges, which measures about 75 by 100 feet and includes three stories and a basement. Here the collections were gradually unpacked, ordered, catalogued and put into a condition of accessible storage, which rendered them available for study and for the inspection of limited parties of visitors.

During 1911 Mrs. Hearst provided for placing the greater portion of the collections under glass, to assure their protection and make possible their public exhibition. The museum is now open to visitors daily throughout the year, excepting Mondays, but including all Sundays and holidays, from 10 A.M. to 4 P.M. The exhibits displayed consist of: Ethnology of the California Indians; Archeology of Peru; Archeology of Greece and Italy; Archeology of Egypt, and a revolving exhibit. This last is changed periodically at intervals of about two months, a new unit collection illustrating some definite point in the history of man, or showing some new accession, being installed each time. In addition, exhibits of the ethnology of the Indians of the north Pacific coast, and of the southwest, are in course of preparation.

A part of the Peruvian and Egyptian collections, all the abundant series of specimens illustrating the archeology of California, and

the material from the Plains Indians, the Pacific Islanders, the Philippines and other regions, must remain, for the present at least, in storage, awaiting either the permanent building that will ultimately be the home of the collections, or a more extensive equipment than is now available.

Mrs. Hearst's gifts to the museum and the researches carried on in connection with its work have approximated a million dollars, making the largest single contribution to the furtherance of anthropology ever made in America and perhaps in the world. The present value of the collections may be estimated to be several times their original cost. A number of other patrons who have supplemented Mrs. Hearst's efforts have helped to round out the collections and bring them up to a total of 70,000 well coordinated specimens. There are only two other university museums of anthropology in the country that are comparable in scope and importance, and only the great general museums in New York and Chicago, and the National Museum in Washington, surpass the university's museum in size. Both as regards magnitude of the collections, therefore, and the extent of investigations prosecuted, as represented in the publication in American archeology and ethnology, the university occupies a distinctive place among the institutions of the country that have given their attention to anthropology.

SCIENTIFIC NOTES AND NEWS

THE Symons gold medal of the Royal Meteorological Society has been awarded to Professor Cleveland Abbe, of the United States Weather Bureau.

DR. J. M. T. FINNEY, associate professor of surgery in the Johns Hopkins University, has declined to permit the committee of trustees in charge to present his name for the presidency of Princeton University.

PROFESSOR R. DEC. WARD has been elected a corresponding member of the Deutsche Meteorologische Gesellschaft.

PROFESSORS W. H. PERKIN, F.R.S., and E. Rutherford, F.R.S., of the University of Manchester, have been elected corresponding members of the Munich Academy of Sciences.

At its last meeting the Rumford Committee of the American Academy of Arts and Sciences made the following appropriations: To Professor John Trowbridge in aid of the researches upon thermoelectricity of Mr. Harvey C. Hayes, of Harvard University, \$300; to Mr. Frank W. Very, for his research on the intensity of spectrum lines, additional to previous grant, \$150; to Professor Robert W. Wood, in aid of his researches on the optical properties of vapors and on long heat waves, additional to previous grant, \$225.

THE Australian Antarctic expedition, under the leadership of Dr. Douglas Mawson, sailed from Hobart for the south in the ship *Aurora*, on December 2.

MR. E. A. COCKEFAIR, professor of agriculture in the State Normal School, Cape Girardeau, Mo.; Professor Arthur D. Cromwell, of Humboldt, Ia., and Mr. S. K. White, of Ames, Ia., have accepted positions to do extension work in agriculture for the Agricultural College in Porto Rico.

PROFESSOR J. H. NORTON, who has been in charge of the Citrus Experiment Station, University of California, located at Riverside, Cal., for the past three years, has handed in his resignation to take effect February 1, 1912. Professor Norton will fill the position of horticulturist for the Fantana Development Company, Rialto, Cal.

E. P. CATHCART, M.D., D.Sc., Grieve lecturer in chemical physiology, University of Glasgow, has been appointed research associate of the Carnegie Institution of Washington, and is spending the present academic year in research on metabolism in the Nutrition Laboratory in Boston.

THE Massachusetts Institute of Technology has had for a visiting guest Senor Joao Ferlini, secretary of the College of Engineers, Porto Alegre, Brazil. He has made the tour of the technical institutions of Europe, it be-

ing the intention of the government of Brazil to send a number of the best of the students to some foreign institutions to finish their studies.

THE following announcements are made in English journals by the British Meteorological Office: Mr. G. I. Taylor, fellow of Trinity College, Cambridge, Smith's prizeman, 1910, has been appointed Schuster reader in dynamical meteorology for three years from January 1, 1912; Mr. L. Southern, of Emmanuel College, Cambridge, has been appointed special assistant at Eskdale Observatory; Mr. G. Dobson, research student of Gonville and Caius College, Cambridge, has been appointed graduate assistant for research in atmospheric electricity for one year from October 1, 1911. Dr. Arthur Schuster, F.R.S., has presented to the Eskdale Observatory an instrument, made in St. Petersburg from designs by Prince Boris Galitzin, for the registration of the vertical component of seismic movements. Dr. Schuster had previously presented corresponding instruments for registering the horizontal component, so that all three components are now the subject of continuous registration.

PROFESSOR W. T. PORTER, of the Harvard Medical School, gave the Weir Mitchell lecture at the College of Physicians in Philadelphia, on November 3. His subject was "Surgical Shock."

DR. L. A. BAUER gave an address before the Kononklijke Natuurkundige Vereeninging of Batavia, Java, on October 25, the subject being, "The Non-magnetic Vessel, the *Carnegie*, and Her Work."

At a meeting of the Columbia Chapter of Sigma Xi on November 28 an illustrated lecture on the electric lighting of New York City was given by Professor J. F. Sever, the president of the chapter.

DR. C. P. STEINMETZ recently delivered two lectures before the engineering students of the University of Illinois. The subjects were "Unexplored Fields in Engineering" and "The Nature of Electrical Energy." The audience at each lecture crowded the lecture-

room of the physics building, in which the lectures were given.

PROFESSOR JOHN PERRY, F.R.S., delivered the address at the opening of the new mechanical engineering laboratory of the Municipal Technical Institute, Belfast, on November 24.

A LIFE-SIZED marble statue of Æsculapius, a replica of one in the Vatican, was presented to the College of Physicians, Philadelphia, by Dr. Richard H. Harte, and accepted on behalf of the college, by Dr. S. Weir Mitchell, at the November meeting of the college.

MEMORIAL exercises in honor of John Bascom, a former president of the University of Wisconsin, will be held at the university on December 6. President Charles R. Van Hise, of the university, will preside at the exercises and Dean E. A. Birge, a personal friend of Dr. Bascom, will deliver the principal address. James F. Trotter, of Milwaukee, president of the university board of regents, will speak on behalf of that body, while Judge R. G. Siebeck, of the Wisconsin Supreme Court, will represent the alumni.

A BRASS tablet has been unveiled by the Master of Peterhouse in the College Chapel, Cambridge, in memory of Dr. Arthur Jackson, who died at Mukden, Manchuria, in January last, in his brave efforts to stem the advance of the plague into China.

DR. J. F. W. ROSS, professor of gynecology in the University of Toronto, died on November 17, from injuries received in a motor-car accident.

DR. WILLIAM SUTHERLAND, of Melbourne, known for his contributions to molecular physics, has died at the age of fifty-two years.

MR. EUGENE WILLIAM OATES, who while engaged in the British India Service and afterwards, published several books on ornithology, died on November 16, aged sixty-six years.

FORMAL distribution has been made of the California property of the late D. O. Mills. The Metropolitan Museum of Art, New York, receives \$100,000, the American Museum of Natural History \$100,000, the New York Home for Incurables \$100,000, the New York Botan-

ical Garden \$50,000, the American Geographical Society \$25,000 and the American Red Cross Society \$25,000.

THE annual dinner of the New York Academy of Sciences and affiliated societies will be held at the Hotel Endicott on December 18, and will be followed by the annual meeting of the academy for the reception of reports and election of officers. The address of the retiring president, Dr. Franz Boas, who is at present on leave of absence from Columbia University to serve as professor of anthropology in the University of Mexico, will be presented. This will be followed by an illustrated address by George Borup, who was one of Admiral Peary's scientific associates on his Polar expedition.

THE Edinburgh University Club has been established in New York City and the inaugural dinner will be held at the Astor Hotel on December 27. All graduates and undergraduates of the Edinburgh University are invited to be present. Particulars regarding the club may be obtained from the interim secretary, Dr. W. F. Maloney, 20 E. 69th St., New York City.

THE second International Congress of Entomology will be held, as has already been announced, at Oxford on August 5-10, 1912, under the presidency of Professor E. B. Poulton, F.R.S. According to a note in *Nature* the executive committee proposes to find for members of the congress lodgings in the town, or rooms in one or more of the colleges at a moderate charge; rooms in college will be available only for men. The executive committee invites an early provisional notice of intention to join the congress, in order to be able to make the arrangements for the necessary accommodation. The proceedings of the first congress are in the press and will be published shortly. All communications and inquiries should be addressed to the general secretary of the executive committee, Dr. Malcolm Burr, care of the Entomological Society of London, 11 Chandos Street, Cavendish Square, London, W.

THE new student ward in the Madison General Hospital will be ready for patients within a short time and will provide the University of Wisconsin with much needed facilities for caring for sick students. The new ward consists of two adjoining rooms and a heated sun porch, which are located on the first floor of the recently constructed addition to the hospital. Nine students can be accommodated in the ward at one time. The student ward in the city hospital is the result of many years' agitation, both on the part of citizens and students. Seven hundred dollars was raised for the ward by students of the university and Thomas E. Brittingham, of Madison, a regent of the university, gave \$5,000 to the hospital on condition that a ward for university students be maintained.

THE government of the Federated Malay States has, as we learn from the *London Times*, offered to make a collection of the fauna of that region for presentation to the Zoological Society of London, and the council of the society has cabled an acceptance of the offer. Mr. Herbert C. Robinson, the director of the States' Museums at Kuala Lumpur, has been entrusted with the formation of the collection, and already a number of animals have been obtained. The Zoological Society has agreed to send out a keeper to arrive in Selangor about the middle of March, 1912, to assist in preparing the animals for shipment and to return with them to England. The collection will leave Port Swettenham about the middle or the end of April, so as to avoid the rough monsoon in the Indian Ocean and to arrive in London in early summer. The collection will be exhibited throughout the season of 1912 as that of the Federated Malay States. The more permanent of the enclosures for the king's African collection have been retained, and the Malay animals will be placed in them.

THE first volume of the "Annual Tables of Constants and Numerical Data, Chemical, Physical and Technological," compiled and published by an International Commission appointed by the seventh International Congress of Applied Chemistry (see *SCIENCE*, August 4,

1911), is now open to subscription. Subscription blanks, the terms of subscription and descriptive leaflets may be obtained from any one of the three American commissioners: Dr. G. N. Lewis, the Massachusetts Institute of Technology, Boston, Mass.; Professor G. F. Hull, Dartmouth College, Hanover, N. H., and Professor J. Stieglitz, the University of Chicago, Chicago, Ill.

WITH the issue for January-March, 1912, *The American Journal of Religious Psychology and Education* will become the *Journal of Religious Psychology, including its Anthropological and Sociological Aspects*, having as editors President G. Stanley Hall and Professor Alexander F. Chamberlain. The journal will continue to be published at Clark University under the auspices of the library.

A MINNESOTA geographical society was recently organized at the University of Minnesota. Professor Edward M. Lehnerts, of the department of geology and geography, was chosen president and Professor F. C. Miller, of the St. Paul Central High School, was chosen secretary-treasurer. Professor Sardeson, of the university, spoke on the opportunities for geographical excursions in and around the Twin Cities. The following were appointed a committee to plan for excursions for the late fall and next spring; Professor Sardeson; Warren Upham, librarian of the state historical society; Professor D. Lange, of St. Paul; Eugene Van Cleff, of the Duluth Normal School; Charles C. Colby, of the Winona Normal, and Jack Haynes, of the Northern Pacific Railway.

AT the first meeting of the year of the Biological Club at the Oregon Agricultural College, Professor Victor L. Gardner gave an address on "Fundamental Factors of Plant Nutrition with Special Reference to the Blueberry." A second address on "The Relation of Plant Pathology to the Other Biological Sciences" was given by H. L. Rees, of the crop pest staff, and H. S. Jackson, professor of botany and plant pathology, spoke on the new additions to the plant pathological library.

THE surgeon general of the army announces that preliminary examinations for the appointment of first lieutenants in the Army Medical Corps will be held on January 15, 1912, at points to be hereafter designated. Full information concerning these examinations can be procured upon application to the "Surgeon General, U. S. Army, Washington, D. C." The essential requirements to securing an invitation are that the applicant shall be a citizen of the United States, shall be between 22 and 30 years of age, a graduate of a medical school legally authorized to confer the degree of doctor of medicine, shall be of good moral character and habits, and shall have had at least one year's hospital training as an interne, after graduation. The examinations will be held concurrently throughout the country at points where boards can be convened. Due consideration will be given to localities from which applications are received, in order to lessen the traveling expenses of applicants as much as possible. The examination in subjects of general education (mathematics, geography, history, general literature and Latin) may be omitted in the case of applicants holding diplomas from reputable literary or scientific colleges, normal schools or high schools, or graduates of medical schools which require an entrance examination satisfactory to the faculty of the Army Medical School. In order to perfect all necessary arrangements for the examination, applications must be complete and in possession of the adjutant general at least three weeks before the date of examination. There are at present sixty-four vacancies in the Medical Corps of the Army.

A SET of 214 enlarged photographs, illustrating plant societies, habit-, flower- and fruit-characters of trees and other higher plants, as well as habit and structural characters of some of the larger algæ and fungi, has been installed in the systematic museum of the New York Botanical Garden. The photographs, which are 11×14 inches in size, are mounted in glazed frames, 43 of them bearing four each of the bromide enlargements and seven bearing six each. The frames are fastened to the walls of the museum on the second floor and, so far

as practicable, have been placed near the cases containing representatives of the species illustrated. The enlargements have been made chiefly from 4×5 negatives obtained by various garden expeditions to Florida, the Bahamas, Cuba, Haiti, Santo Domingo, Porto Rico and Panama.

THE Polish National Alliance of the United States of North America has presented to the National Museum an extensive and interesting series of coins of the kingdom of Poland issued during its day of independence. The collection has been placed on exhibition in the west hall of the old building of the National Museum. The series comprises 312 pieces of money, most of which are silver, ranging in size from our old silver three-cent piece to the present-day silver dollar. The series begins as far back as 1386 and covers a period of 449 years.

THE *Harvard University Gazette* records among the activities of the Peabody Museum that during the summer Dr. Alfred M. Tozzer and Mr. Clarence L. Hay made a trip to Mexico. Mr. Hay purchased a valuable collection which he has given to the museum. Dr. Charles Peabody represented the museum at the Prehistoric Congress of France, held at Nîmes in August, 1911, and presented a paper on "The Archeology of the Delaware Valley," with special reference to the work of Mr. Ernest Volk. While in Europe Dr. Peabody visited several prehistoric sites, and collected, with the assistance of his European colleagues, representative specimens from the eocene, pseudo-eolithic site of Clermont-de-l'Oise; the eolithic industries of Salinelles (Gard); the industries, neolithic and others, near Orpierre (Hautes Alpes); the Lake Dweller stations of the Saut de la Pucelle and of La Gresine, Lac du Bourget (Savoie). The research in relation to the antiquity of man in America was continued in the Delaware Valley by Mr. Ernest Volk, and a report by Mr. Volk on the twenty-two years of research in this region has been published by the museum. Dr. George P. Howe conducted an expedition to Yucatan and has prepared a report on the

results. Mr. Samuel J. Guernsey carried on archeological researches in New Brunswick for the museum. The museum had a party in Ohio under the direction of Mr. B. W. Merwin, and the long-continued exploration of the ancient cemetery at Madisonville, as well as the famous Turner Group of Mounds in the same region, has been completed.

UNIVERSITY AND EDUCATIONAL NEWS

It is announced that the sum of \$1,526,965 has been collected for McGill University. Included in the sum are three subscriptions of \$100,000 each from Dr. James Douglas, of New York, Mr. Robert Reford and the Birks family, of Montreal.

Last year Mr. John D. Rockefeller offered to give \$250,000 to a special endowment fund of the Medical Department of Western Reserve University on condition that a total fund of a million dollars was given. At that time Mr. H. M. Hanna gave \$250,000 as part of the required amount. It is now announced that the sum of \$429,000 has been given, leaving \$71,000 to be collected before December 31.

DARTMOUTH COLLEGE will eventually receive what is believed to be approximately \$200,000 by the will of Elijah M. Topliff, of Manchester, N. H.

NEW greenhouses have been erected at the University of Vermont at a cost of \$7,000. The buildings consist of a head house 24×84 feet, a story and a half high, and three parallel glass houses each 20×60 feet. These houses are for the combined use of the department of horticulture, botany and plant pathology: one of the houses is entirely for experimental work, and will be occupied by the experiment station men; the other two houses are for teaching purposes.

THE registration of students in several of the larger universities is reported to be as follows: Columbia, 7,429; Chicago, 6,466; Minnesota, 5,965; Wisconsin, 5,538; Pennsylvania, 5,389; Michigan, 5,381; Cornell, 5,104; Illinois, 5,118; Harvard, 5,028; Nebraska, 4,624; California, 3,450; Missouri, 3,141.

RECENT appointments in St. Louis University School of Medicine are: A. S. Pearse, Ph.D. (Harvard), associate professor of biology, in charge of the department; H. G. Bristow, A.M. (Missouri), instructor in chemistry; A. M. Brown, A.M. (Washington University), assistant in biology; L. F. Shackell, B.S. (St. Louis), instructor in pharmacology.

DR. CHARLES SHEARD has resigned as professor of preventive medicine in the University of Toronto.

M. RANVIER, professor of general anatomy at the Collège de France, has, at his own request, been allowed to retire.

DISCUSSION AND CORRESPONDENCE

THE FRANCIS GALTON LABORATORY FOR NATIONAL EUGENICS

TO THE EDITOR OF SCIENCE: In examining the correspondence of the late Sir Francis Galton I find very many appreciative letters concerning his work from Americans distinguished in science or social activities. Sir Francis held the faith—and did much to demonstrate it—that man both mentally and physically was the product of his ancestry, and that accordingly when this was once fully recognized, man could achieve a greater future by encouraging the multiplication of the fit, and restricting the production of the unfit. He devoted most of the later years of his life to preaching this gospel and left the residue of his fortune to maintain the staff of the laboratory which bears his name. The science of eugenics, defined as “the study of agencies under social control that may improve or impair the racial qualities of future generations either physically or mentally,” has been his creation. The idea that we can study at the university what makes for or mars national welfare is not a narrow one, it is essentially international in character. And that view of it is emphasized by Sir Francis Galton’s world-wide correspondence. That correspondence leads me to believe that in America, and elsewhere, there may be men and women willing to aid us in founding a worthy memorial